## **AMENDMENTS TO THE CLAIMS**

The following listing of claims replaces all prior versions of claims in the application.

1. (Original): A retardation film, showing birefringence, wherein

the said retardation film comprises a non-liquid crystal polymer,

the non-liquid crystal polymer is aligned,

alignment of the non-liquid crystal polymer on at least one of surfaces of the retardation film is different from alignment of the non-liquid crystal polymer on an inside of the retardation film, and

the surface having the alignment that is different from the alignment on the inside functions as an alignment surface.

- 2. (Original): The retardation film according to claim 1, having a function as an alignment film.
- 3. (Currently amended): The retardation film according to any one of claims 1 and 2 claim 1, wherein optical characteristics show any of formulae (I) to (III) below,

$$nx = ny > nz$$
 (I)

$$nx > ny > nz$$
 (II)

$$nx > ny = nz$$
 (III),

where, in the above formulae (I) to (III), nx, ny and nz respectively indicate refractive indices in an X-axis direction, a Y-axis direction and a Z-axis direction in the retardation film, the

X-axis corresponds to an axial direction exhibiting a maximum refractive index within a plane of the retardation film, the Y-axis corresponds to an axial direction perpendicular to the X-axis within the plane, and the Z-axis corresponds to a thickness direction perpendicular to the X-axis and the Y-axis.

- 4. (Currently amended): The retardation film according to any one of claims 1 to 3 claim 1, wherein the non-liquid crystal polymer contains at least one polymer selected from the group consisting of polyamide, polyimide, polyester, polyetherketone, polyaryletherketone, polyamideimide and polyesterimide.
- 5. (Currently amended): The retardation film according to any one of claims 1 to 3 claim 1, wherein the non-liquid crystal polymer is a polymer of a liquid crystal compound.
- 6. (Original): A method for manufacturing a retardation film, comprising a step of forming an alignment surface by irradiating at least one of surfaces of a polymer film showing birefringence with polarized light so as to change an alignment direction of only the surface of the polymer film that is irradiated with the polarized light.
- 7. (Original): The manufacturing method according to claim 6, wherein the polarized light is linearly polarized light.

Preliminary Amendment Attorney Docket No. 062096

- 8. (Currently amended): The manufacturing method according to any one of claims 6 and 7 claim 6, wherein the polarized light is polarized ultraviolet light.
- 9. (Original): The manufacturing method according to claim 8, wherein the polarized light is polarized ultraviolet light of 200 nm to 400 nm.
- 10. (Currently amended): The manufacturing method according to any one of claims 6 to 9 claim 6, wherein the polymer film is a film containing a non-liquid crystal polymer.
- 11. (Original): The manufacturing method according to claim 10, wherein the non-liquid crystal polymer is at least one polymer selected from the group consisting of polyamide, polyimide, polyester, polyetherketone, polyaryletherketone, polyamideimide and polyesterimide.
- 12. (Currently amended): The manufacturing method according to any one of claims 10 and 11 claim 10, further comprising a manufacturing step for manufacturing the polymer film showing the birefringence by applying a coating solution containing the non-liquid crystal polymer on a surface of a base.
- 13. (Original): The manufacturing method according to claim 12, wherein the obtained polymer film showing the birefringence is further stretched or shrunk in the manufacturing step.

14. (Currently amended): The manufacturing method according to claim 13, wherein, in the polymer film showing the birefringence before being stretched or shrunk, a birefringent index  $(\Delta n)$  shown by a formula below is 0.01 or more,

$$\Delta n = nx - nz$$
,

where, in the above formula, nx and nz respectively indicate refractive indices in an X-axis direction and a Z-axis direction in the birefringent layer polymer film, and the X-axis direction corresponds to an axial direction exhibiting a maximum refractive index within a plane of the birefringent layer polymer film, and the Z-axis corresponds to a thickness direction perpendicular to the X-axis.

- 15. (Original): The manufacturing method according to claim 10, wherein the non-liquid crystal polymer is a polymer containing a polymer of a liquid crystal compound.
- 16. (Original): The manufacturing method according to claim 15, further comprising a manufacturing step for manufacturing the polymer film showing the birefringence,

the manufacturing step comprising:

applying a coating solution containing the liquid crystal compound on a surface of an alignment film so as to form a coating film;

subjecting the coating film to a heat treatment so as to align the liquid crystal compound according to an alignment direction of the alignment film; and then

polymerizing the liquid crystal compound.

- 17. (Currently amended): A retardation film manufactured by the manufacturing method according to any one of claims 6 to 16 claim 6.
- 18. (Original): The retardation film according to claim 17, having a function as an alignment film.
- 19. (Currently amended): A method for manufacturing a laminated retardation film in which two or more birefringent layers with different alignment directions are laminated,

the method comprising:

preparing the retardation film according to any one of claims 1 to 5, 17 and 18 claim 1; applying a coating solution containing a liquid crystal compound on the alignment surface of the retardation film so as to form a coating film; and

subjecting the coating film to a heat treatment for aligning the liquid crystal compound according to an alignment direction of the alignment surface so as to form a birefringent layer.

- 20. (Original): A laminated retardation film manufactured by the manufacturing method according to claim 19.
- 21. (Currently amended): An optical film comprising the retardation film according to any one of claims 1 to 5, 17 and 18, or the laminated retardation film according to claim 20 claim 1.

Preliminary Amendment Attorney Docket No. 062096

- 22. (Original): The optical film according to claim 21, further comprising a polarizing element.
- 23. (Currently amended): An image display apparatus, comprising the optical film according to any one of claims 21 and 22 claim 21.
- 24. (Original): The image display apparatus according to claim 23, which is a liquid crystal display.
- 25. (Original): The image display apparatus according to claim 24, which is at least one self-light-emitting image display selected from the group consisting of an electroluminescence (EL) display, an organic electroluminescence (EL) display, a plasma display (PD) and a FED (Field Emission Display).
- 26. (New): An optical film comprising the laminated retardation film according to claim 20.
- 27. (New): The optical film according to claim 26, further comprising a polarizing element.

Preliminary Amendment Attorney Docket No. 062096

- 28. (New): An image display apparatus, comprising the optical film according to claim 26.
- 29. (New): The image display apparatus according to claim 28, which is a liquid crystal display.
- 30. (New): The image display apparatus according to claim 29, which is at least one self-light-emitting image display selected from the group consisting of an electroluminescence (EL) display, an organic electroluminescence (EL) display, a plasma display (PD) and a FED (Field Emission Display).